



Attorney's Docket No.: 42390.P5271

PATENT

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION
(FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

VOLTAGE SIGNAL MODULATION SCHEME

the specification of which

is attached hereto.
was filed on December 18, 1997 as
United States Application Number 08/993,104
or PCT International Application Number _____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

**Priority
Claimed**

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below

(Application Number) Filing Date

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Number)	Filing Date	(Status -- patented, pending, abandoned)
(Application Number)	Filing Date	(Status -- patented, pending, abandoned)

I hereby appoint Aloysius T. C. AuYeung, Reg. No. 35,432; William Thomas Babbitt, Reg. No. 39,591; Jordan Michael Becker, Reg. No. 39,602; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; Gregory D. Caldwell, Reg. No. 39,926; Kent M. Chen, Reg. No. 39,630; Lawrence M. Cho, Reg. No. 39,942; Thomas M. Coester, Reg. No. 39,637; Roland B. Cortes, Reg. No. 39,152; William Donald Davis, Reg. No. 38,428; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Tarek N. Fahmi, Reg. No. 41,402; James Y. Go, Reg. No. 40,621; Sharmini Nathan Green, Reg. No. 41,410; David R. Halvorson, Reg. No. 33,395; Eric Ho, Reg. No. 39,711; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Dag H. Johansen, Reg. No. 36,172; Stephen L. King, Reg. No. 19,180; Michael J. Mallie, Reg. No. 36,591; Kimberley G. Nobles, Reg. No. 38,255; Ronald W. Reagin, Reg. No. 20,340; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Charles E. Shemwell, Reg. No. 40,171; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Allan T. Sponseller, Reg. No. 38,318; Steven R. Sponseller, Reg. No. 39,384; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; George G. C. Tseng, Reg. No. 41,355; Lester J. Vincent, Reg. No. 31,460; John Patrick Ward, Reg. No. 40,216; Ben J. Yorks, Reg. No. 33,609; and Norman Zafman, Reg. No. 26,250; my attorneys; and Robert Andrew Diehl, Reg. No. 40,992; Thomas A. Hassing, Reg. No. 36,159; and Edwin A. Sloane, Reg. No. 34,728; my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Joseph R. Bond, Reg. No. 36,458; Richard C. Calderwood, Reg. No. 35,468; Sean Fitzgerald, Reg. No. 32,027; David J. Kaplan, Reg. No. 41,105; Leo V. Novakoski, Reg. No. 37,198; Naomi Obinata, Reg. No. 39,320; Thomas C. Reynolds, Reg. No. 32,488; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Steven C. Stewart, Reg. No. 33,555; Raymond J. Werner, Reg. No. 34,752; Seth Z. Kalson, Reg. No. 40,670; and Charles K. Young, Reg. No. 39,435; my patent attorneys, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent attorney; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

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(Name of Attorney or Agent)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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VOLTAGE SIGNAL MODULATION SCHEME

Inventors: Scott A. Rosenberg, Edmund Sandberg, Samson Huang
Our Reference: 42390.P5271

Respectfully submitted,

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Date of Deposit: December 18, 1997

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231

Judith A. Hromyko

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(Signature of person mailing paper or fee) (Date signed)

Serial/Patent No.: <u>****</u>	Filing/Issue Date: <u>****</u>
Client: <u>INTEL CORPORATION</u>	
Title: <u>VOLTAGE SIGNAL MODULATION SCHEME</u>	
Inventors: <u>Scott A. Rosenberg, Edmund Sandberg, Samson Huang</u>	
BSTZ File No.: <u>42390.P5271</u>	Atty/Secty Initials: <u>ATA (HAS)/jh</u>
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The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:	
<input type="checkbox"/> Amendment/Response (<u> </u> pgs.) <input checked="" type="checkbox"/> Express Mail No.: <u>EM502095910US</u> <input type="checkbox"/> Check No. <u>4568</u> <input type="checkbox"/> Appeal Brief (<u> </u> pgs.) (in triplicate) <input type="checkbox"/> Month(s) Extension of Time <input type="checkbox"/> Amt: <u>\$1146.00</u> <input checked="" type="checkbox"/> Application - Utility (<u>13</u> pgs., with cover and abstract) <input type="checkbox"/> Information Disclosure Statement & PTO-1449 (<u> </u> pgs.) <input type="checkbox"/> Check No. <input type="checkbox"/> Application - Rule 1.60 Continuation (<u> </u> pgs.) <input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Amt: <input type="checkbox"/> Application - Rule 1.60 Division (<u> </u> pgs.) <input type="checkbox"/> Notice of Appeal <input type="checkbox"/> Application - Rule 1.60 CIP (<u> </u> pgs.) <input type="checkbox"/> Petition for Extension of Time <input type="checkbox"/> Application - Rule 1.62 Transmittal (<u> </u> pgs.) <input type="checkbox"/> Petition for _____ <input type="checkbox"/> Application - Design (<u> </u> pgs.) <input checked="" type="checkbox"/> Postcard <input type="checkbox"/> Application - PCT (<u> </u> pgs.) <input type="checkbox"/> Power of Attorney (<u> </u> pgs.) <input type="checkbox"/> Application - Provisional (<u> </u> pgs.) <input type="checkbox"/> Preliminary Amendment (<u> </u> pgs.) <input type="checkbox"/> Assignment and Cover Sheet <input type="checkbox"/> Reply Brief (<u> </u> pgs.) <input checked="" type="checkbox"/> Certificate of Mailing <input type="checkbox"/> Response to Notice of Missing Parts <input checked="" type="checkbox"/> Declaration & POA (<u>4</u> pgs.) <u>Unsigned</u> <input type="checkbox"/> Request to Incorporate Disclosure Document (<u> </u> pgs.) <input type="checkbox"/> Disclosure Docs & Org & Copy of Inventor's Signature Letter (<u> </u> pgs.) <input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business <input checked="" type="checkbox"/> Drawings: <u>7</u> # of sheets includes <u>7</u> figures <input checked="" type="checkbox"/> Transmittal Letter (original & copy) <input type="checkbox"/> Other: <u>Fee transmittal - 2 pages (Original & copy)</u>	